

gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 14:38:15 ON 02 DEC 2009

```
=> file reg
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY        SESSION
FULL ESTIMATED COST          0.22          0.22
```

FILE 'REGISTRY' ENTERED AT 14:38:42 ON 02 DEC 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 DEC 2009 HIGHEST RN 1194901-26-2
DICTIONARY FILE UPDATES: 1 DEC 2009 HIGHEST RN 1194901-26-2

New CAS Information Use Policies, enter HELP USAGE TERMS for details.

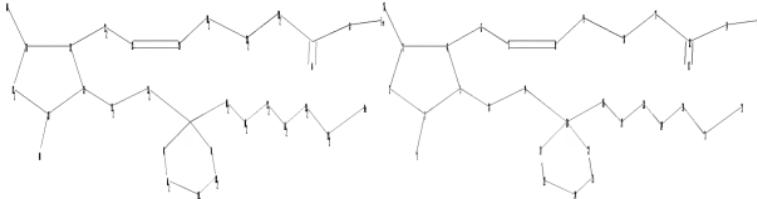
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10567462A.str



```

chain nodes :
 6 7 8 9 10 11 12 13 14 15 16 17 18 19 26 27 28 29 30 31 32
ring nodes :
 1 2 3 4 5 20 21 22 23 24 25
chain bonds :
 1-17 3-16 4-6 5-18 6-7 7-8 8-9 9-10 10-11 11-12 12-13 12-14 14-15
18-19 19-20 20-26 26-27 27-28 28-29 29-30 30-31 31-32

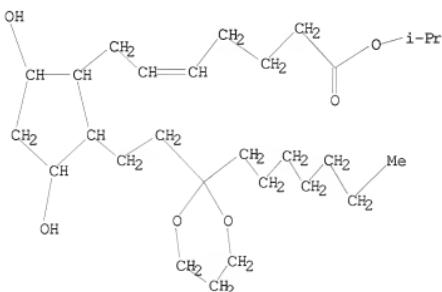
```

ring bonds :
 1-2 1-5 2-3 3-4 4-5 20-21 20-22 21-23 22-25 23-24 24-25
 exact/norm bonds :
 1-2 1-5 1-17 2-3 3-4 3-16 4-5 12-13 12-14 20-21 20-22 21-23 22-25
 23-24 24-25
 exact bonds :
 4-6 5-18 6-7 7-8 8-9 9-10 10-11 11-12 14-15 18-19 19-20 20-26 26-27
 27-28 28-29 29-30 30-31 31-32

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
 18:CLASS 19:CLASS 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS
 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 11 full
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:s 11 full
ONLY ONE SEARCH TYPE IS ALLOWED
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:exit
'EXIT' IS NOT A VALID SEARCH TYPE
For an explanation, enter "HELP SEARCH TYPES".
<-----User Break----->

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:stop
'STOP' IS NOT A VALID SEARCH TYPE
For an explanation, enter "HELP SEARCH TYPES".
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:s
'S' IS NOT A VALID SEARCH TYPE
For an explanation, enter "HELP SEARCH TYPES".
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:css
FULL SEARCH INITIATED 14:40:23 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -

82 TO ITERATE

100.0% PROCESSED

82 ITERATIONS

1 ANSWERS

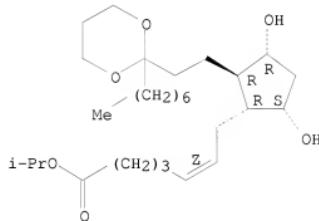
SEARCH TIME: 00.00.01

L2 1 SEA CSS FUL L1

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 842121-80-6 REGISTRY
 ED Entered STN: 04 Mar 2005
 CN 5-Heptenoic acid, 7-[(1R,2R,3R,5S)-2-[2-(2-heptyl-1,3-dioxan-2-yl)ethyl]-3,5-dihydroxycyclopentyl]-, 1-methylethyl ester, (5Z)- (CA INDEX NAME)
 OTHER NAMES:
 CN 13,14-Dihydro-15,15-trimethylenedioxy-20-ethyl-PG F2 α isopropyl ester
 FS STEREOSEARCH
 MF C28 H50 O6
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
188.89	189.11

FILE 'CAPLUS' ENTERED AT 14:40:45 ON 02 DEC 2009
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 2 Dec 2009 VOL 151 ISS 23

FILE LAST UPDATED: 1 Dec 2009 (20091201/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

Cplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12
L3 3 L2

=> d ibib 1-
YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2009:489222 CAPLUS
DOCUMENT NUMBER: 150:455802
TITLE: Hair growth stimulators containing prostaglandin compound-encapsulated liposomes
INVENTOR(S): Yamada, Saori
PATENT ASSIGNEE(S): Tsujido Kagaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 20pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2009084298	A	20090423	JP 2009-16594	20090128
PRIORITY APPLN. INFO.:			JP 2009-16594	20090128

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:655848 CAPLUS
DOCUMENT NUMBER: 145:109749
TITLE: Composition and method for scalp and hair treatment comprising a menthol derivative and a prostaglandin
INVENTOR(S): Iino, Masato; Yamaki, Satoshi; Nakanishi, Satoshi;
Tajima, Masahiro; Ueno, Ryuji
PATENT ASSIGNEE(S): Sucampo AG, Switz.
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

WO 2006070942	A1	20060706	WO 2005-JP24276	20051228
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
CA 2589081	A1	20060706	CA 2005-2589081	20051228
EP 1830793	A1	20070912	EP 2005-824483	20051228
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2008525315	T	20080717	JP 2007-531495	20051228
US 20070298134	A1	20071227	US 2007-794120	20070625
KR 2007090218	A	20070905	KR 2007-714832	20070628
CN 101160114	A	20080409	CN 2005-80045568	20070629
PRIORITY APPLN. INFO.:			US 2004-639845P	P 20041229
			JP 2005-34763	A 20050210
			WO 2005-JP24276	W 20051228

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 145:109749; MARPAT 145:109749

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:136513 CAPLUS
 DOCUMENT NUMBER: 142:225132
 TITLE: Composition and method for promoting hair growth comprising prostaglandins
 INVENTOR(S): Ueno, Ryuji; Habe, Tsuyoshi; Sekida, Takashi
 PATENT ASSIGNEE(S): Sucampo A.-G., Switz.
 SOURCE: PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005013928	A1	20050217	WO 2004-JP11864	20040812
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
CA 2534645	A1	20050217	CA 2004-2534645	20040812
EP 1673058	A1	20060628	EP 2004-771825	20040812
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				

CN 1867310	A	20061122	CN 2004-80029804	20040812
JP 2007518685	T	20070712	JP 2006-519266	20040812
KR 2006058708	A	20060530	KR 2006-702643	20060207
US 20080033036	A1	20080207	US 2007-567462	20070205
PRIORITY APPLN. INFO.:			US 2003-494121P	P 20030812
			WO 2004-JP11864	W 20040812
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OTHER SOURCE(S):	MARPAT 142:225132			
OS.CITING REF COUNT:	1	THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)		
REFERENCE COUNT:	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.75	196.86

STN INTERNATIONAL LOGOFF AT 14:45:31 ON 02 DEC 2009